



**KENOSHA UNIFIED SCHOOL DISTRICT NO. 1
CURRICULUM AND INSTRUCTIONAL SERVICES**

**STANDARDS AND BENCHMARKS
SCIENCE**

PRESCHOOL	
STANDARD A: SCIENCE CONNECTIONS	
A-1: Systems	Most things are made up of parts.
A-2: Models	
A-3: Change and Constancy	Things change in some ways and stay the same in some ways. People can keep track of change. Things can change in different ways, such as in size, weight, color, and movement.
A-4: Scale	
A-5: Connections	
STANDARD B: NATURE OF SCIENCE	
B-1: Science is a Human Endeavor.	Many people choose science as a career. Many people enjoy doing science.
B-2: Nature of Scientific Process	Science is based on questions.
B-3: History of Science	
STANDARD C: SCIENCE INQUIRY	
C-1: Ask Questions.	Ask questions and attempt reasonable answers based on observation and simple investigations.
C-2: Make Connections.	Use prior knowledge related to the question being investigated, and make predictions.
C-3: Gather Background.	
C-4: Design and Conduct.	Participate in teacher-directed activities and conduct simple investigations.
C-5: Safely Use	Use simple equipment to make observations, describe objects and events, and compare them in terms of number, shape, texture, size, and color.
C-6: Collecting and Representing	Participate in teacher-directed graphing with real objects to help tell about observations.
C-7: Summarizing, Synthesizing	Explain observations and describe what is displayed on a graph.
C-8: Communicating Results	Communicate observations verbally by drawing or through simple writing.
STANDARD D: PHYSICAL SCIENCE	
D-1: Properties of Matter	Objects and materials have many observable and measurable properties such as color, size, and shape. Objects and materials can be sorted and ordered in terms of their properties.
D-2: Structure of Matter	Most objects and living things are made of parts.
D-3: Physical, Chemical . . .	Objects can be broken into smaller pieces, which changes the appearance of the materials but does not change what it is made of.
D-4: Position and Motion	
D-5: Forces of Nature	
D-6: Interactions of Energy	The sun warms the land, air, and water.
D-7: Conservation of Energy	
STANDARD E: EARTH SCIENCE	
E-1: Properties and Structures	Basic features of the earth are soil, water, and weather.
E-2: History and Changes of the Earth	Weather changes from day to day and over the seasons. Seasonal changes occur in living things in the schoolyard.

Most essential benchmarks appear in bold, italicized print.

PRESCHOOL	
E-3: Cycles of the Earth	The objects in the sky are the sun, moon, stars, and clouds.
E-4: The Earth, Our Solar System, and Space	The objects in the sky are the sun, moon, stars, and clouds. The sun provides light during the day, and it is dark during the night.
STANDARD F: LIFE AND ENVIRONMENTAL SCIENCE	
F-1: Characteristic, Structure	Animals live in different environments. Living things have basic needs: food, water, air, and light.
F-2: Life Cycles	
F-3: Organisms	The behavior of living things is influenced by conditions in the environment.
F-4: Matter and Energy	Animals are different from plants and can tell the difference between the two.
STANDARD G: SCIENCE APPLICATION	
G-1: Technological Design	
G-2: Abilities to Distinguish	There is a difference between a live object and an inanimate object.
G-3: Understanding About Science	People use tools to observe, measure, and make things.
STANDARD H: SCIENCE IN SOCIAL AND PERSONAL PERSPECTIVES	
H-1: Personal and Community	Knows essential concepts for safety and health
H-2: Human Population Growth	
H-3: Types of Resources	
H-4: Quality of and Changes	
H-5: Science and Technology	